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May 15, 1949

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K. C. Livermore
Honeoye Falls, N. Y.

Better Bred Seeds for Your 1949 Plantings

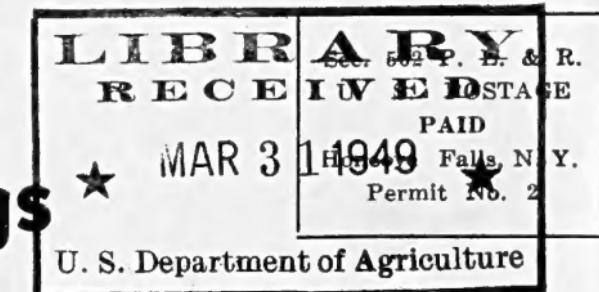
Reduce
Production
Costs By Using-



Foundation Potatoes
Pasture Seedings

Hybrid Field and Sweet Corns
Advance and Mohawk Oats

Birdsfoot Trefoil
Ladino Clover



U. S. Department of Agriculture

K. C. Livermore
Honeoye Falls, N.Y.

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BETTER BRED SEEDS

Hybrid sweet corn,
field corn, potato, oat,
cabbage, field pea,
barley, wheat, soy bean,
rye, alfalfa, clover, grass,
other forage crop seeds.

FARM CHEMICALS

Seed disinfectants,
seed inoculants,
fertilizers, sulphur,
lime, weedicides,
dusts and sprays.
Also drain tile.



HONEOYE FALLS, N. Y. - MARCH 12, 1949

Dear Friend:—A period of easy farm profits from soaring prices and lagging costs has ended. Costs have overtaken prices. And now, it seems, we have entered a period of falling prices for farm products and of costs that lag again. Farm profit margins have narrowed considerably and if history repeats, will become slimmer and slimmer. Excess production will be reduced eventually by elimination of inefficient producers.

On each farm the problem will be to reduce cost of production by greater efficiency and more careful spending. The logical starting point is with seeds. Returns from all other materials and labor used on crops depend on wise choice of varieties, strains and sources, the right choice usually netting 40% to 100% more. This humble circular will help in choosing, for described and priced herein are seeds of stocks proven superior in the North Eastern States. Quality and inherent values considered, these prices mean savings for you, too.

Yours for better bred seeds, K. C. LIVERMORE

Spring Oats, Barleys, Wheats

DISEASE RESISTANT OATS - Today's oats are products of intensive plant breeding work carried on cooperatively by federal and state scientists for more than forty years. At first, better yields and stiffer straws were attained. Then stem rust resistance had to be added. Later, crown rust threatened wide spread havoc and, just in time, Victoria Oat from South America supplied resistance to that disease. By crossing, it was combined with the yielding ability and stem rust resistance of the better oats of that period. These new hybrids in turn were laid low by helminthosporium blight in '46 and '47. But already the plant breeders had brought blight resistant Bond Oat from Australia. By crossing it with the best oats of that time, a dozen or more new oats were developed. They embody in varying degrees the accumulated achievements of scores of patient, hardworking, devoted plant breeders. Every bowl of breakfast oatmeal bears testimony to the success of their labors.

RECOMMENDED OATS - Of these most disease resistant oats, Advance, Mohawk and Clinton are recommended for New York and adjacent areas. All are about equally high yielding, somewhat resistant to smuts, quite resistant to all common races of stem and crown rusts and to helminthosporium blight. All are heavy, meaty, yellow kernelled, tree type oats. Mohawk and Clinton are early and have very stiff, medium length straw. Advance is later and has straw 4" to 6" taller, not as stiff as Mohawk's but stiffer than most others. By its taller straw, Advance produces 25% to 50% more harvested straw, an item of importance on many farms. Advance grows more uniformly and is more attractive.

RACE 45 CROWN RUST - Unfortunately one strain of crown rust has appeared to which the Bond crossed oats are not resistant. This Race 45 has been practically unknown till very recently. Last year it appeared in several central west states and in 2 or 3 places in New York. It caused severe damage. Its further spread will depend on weather. Spores are air borne and not carried by seed. Seed treating does not stop it. Vicland is resistant to Race 45 but susceptible to blight, so it seems safer to use Advance, Mohawk or Clinton this year.

GOLDWIN OAT - When rusts were not present Golden has made higher yields than these new oats. Early plantings frequently escape rusts. A change in the weather cycle may eliminate oat rusts for some years and permit use of Goldwin.

We offer Advance, Mohawk and Goldwin oat seed of high purity and germination, extra well graded. See prices, page 3.

BETTER BARLEYS NEEDED In recent oat rust years, barley yields were cut low, too, by various diseases, - stripe, spot blotch, scab, stem or leaf rusts. Both Alpha and Wisconsin 38 are susceptible to most of these diseases, and yields have been reduced. Of the several new barleys recently released, none is outstanding in disease resistance or yield. Bay, developed in Michigan does offer stiffer straw, better holding of heads after ripening, higher test weight and slightly better yield than Wis. 38 and equally good malting qualities. It should be better for combining. It is 6 rowed and smooth bearded. A new 6 rowed barley will be available from Wisconsin next year. It may prove to be better. No 2 rowed barley better than Alpha has been released yet.

We offer Bay and Alpha this year. Both are suitable for mixed sowing with Mohawk and Clinton oats. See prices, page 3.

RUST RESISTANT SPRING WHEATS - Diseases have prevented profitable growing of spring wheats in the East. Recently developed varieties with greater resistance to rusts and other wheat diseases seem to be changing the picture. Mida from North Dakota and Henry from Wisconsin have yielded very well in the last two seasons here in the East. Grown either for flour or feed, they could pay better than oats on many eastern farms. We recommend more plantings.

Both are bearded, stiff strawed. Mida has large, hard, dark red, high protein kernels suitable for bread flour or feeding. Henry has large, medium hard, light red, lower protein kernels recommended for feeding.

Foundation Seed Potatoes

Virus X is a new problem for potato growers. Leaf roll, mosaic, yellow dwarf and other virus diseases generally produce recognizable symptoms which enable seed growers to eliminate them. But some strains of Virus X produce no symptoms detectable by appearance, yet cause yield reductions averaging 10% according to Cornell pathologists. A loss of 10% on today's yields means 30 to 60 bushels, an item of some importance.

The possible presence of "masked" or "invisible" viruses in seed potatoes greatly lessens the assurance of the word "certified" as now applied. It probably explains, at least in part, the usual yield difference of 30 to 60, sometimes over 100 bushels per acre between Jeff Baldwin's foundation seed and other certified seed. His methods undoubtedly have kept Virus X down to a very low point, as well as the recognizable viruses. (For more details ask for copy of "Jeff Baldwin's Better Foundation Seed Potatoes").

It pays to use foundation seed for commercial as well as seed production - especially Jeff Baldwin's.

RED WARBA - 90 days, 10 earlier than Cobbler. Generally out-yields it. Quality very good. Resembles Cobbler, but has red skin, some white showing. Mosaic resistant; susceptible to scab, leaf roll, etc. Best early in our judgment, for home use and local marketing. Offer P. E. I. foundation A with clean reading in field.

IRISH COBBLER - 100 days; the main early potato. Round, white, deep eyed tuber of excellent quality. Offer Jeff Baldwin's Minn. foundation Cobblers, of a strain backed by continuous selection and clean readings since 1920. It has outyielded the best from Prince Edward Island in Minn. Offer also P. E. I. foundation Cobblers.

CHIPPEWA - 110 days. Beautiful appearance; cooks white but not mealy. Excellent for chipping. Wide adaptation. Good yields. Poor keeper. Very susceptible to leaf roll and scab. Offer seed of Jeff Baldwin's special strain, Minn. foundation. One plant leaf roll in field inspection, clean reading in Fla. test. Chippewa growers should try this improved strain.

ESSEX - 110 days. The highest yielder of Dr. Reddick's blight resistant varieties. Has made phenomenal yields and demonstrated high resistance to blight. Appearance excellent. Quality like Katahdin. If not too exacting as to climate, Essex may replace Katahdin. Offer N. Y. certified. Lot 1, trace leaf roll in field, clean in Fla. test. Lot 2, trace leaf roll in field, 9% in Fla. test.

KATAHDIN - 120 days. Fine appearing, white-skinned, round, flattened potato. Quality good. Resistant to virus diseases; scab and blight susceptible. Sets lightly but develops nearly all No. 1 size potatoes. Sets shallow, needs more and later covering. Excellent keeper. Offer Jeff Baldwin's Minn. foundation seed, no virus in field or Fla. test. Also N. Y. not cert. grown from foundation seed.

SEBAGO - 130 days. Resistant to blight, yellow dwarf, mild mosaic and scab. Smooth, shallow eyed, white skinned, round to elongated, flattened tubers. Attractive. Excellent quality often brings premium. Bruises easily, sprouts early. Offer Jeff Baldwin's, P. E. I. certified, no disease except black leg. Also N. Y. not cert. 2nd crop from P. E. I. foundation.

PONTIAC - 130 days. Dark red, shallow-eyed, roundish. Very susceptible to scab and hopper burn. Fair table and good keeping qualities. High yields. Limited market. Offer Jeff Baldwin's Minn. foundation seed with clean field and Fla. readings.

ONTARIO - 135 days. Wide adaptation. Tubers smooth, white, slightly elongated. Quality fair. Resistant to scab, late blight and "Z" disease. Excellent yield records. Probably will replace Sebago tho quality is poorer. Offer N. Y. certified. Sold out.

Hybrid Corn Seed Produces More At Less Cost

Hybrid Sweet Corns

The larger yields, greater uniformity and better quality of hybrid sweet corns are the reasons for their now almost 100% use by canners, commercial growers and home gardeners. They definitely pay better in dollars and satisfaction.

Of the literally hundreds of hybrids now available we offer a series ripening at successive periods, each being one of the best available in its ripening period. You can choose those that best suit your market or can provide a continuous supply from early to late by planting at one time several that will ripen in succession and then following with successive plantings of a late one.

In the brief descriptions given below, the days of ripening are approximate for this section under favorable conditions. They vary with locality, season and planting date. They are comparable with Golden Bantam at 80 days. For detailed descriptions ask for our Special Sweet Corn Circular. It gives valuable planting suggestions, directions for controlling ear worm, corn borer and smut and the latest on weed control in sweet corn.

IMPROVED SPANCROSS - 61 days, 23 earlier than Golden Cross. Earliest wilt resistant hybrid available. Cold resistant. Prolific yielder of very uniform, attractive, med. size, 8-12 rowed ears.

WASHINGTON - 67 days, new hybrid from Conn. Exp. Station. More and larger ears than Spancross, more ears but smaller than Marcross, better quality than either. Wilt resistant. Don't miss this one.

MARCROSS - 68 days. 16 days ahead of Golden Cross. Wilt resistant, good yielder, large 12 rowed ears, good quality, excellent market type. A money maker for commercial growers.

IMPROVED CARMELCROSS - 72 days. Wilt resistant, fine quality, 12 rowed, large ears, heavy yielder. Similar to Golden Cross.

GRANT - 75 days. New mid-season hybrid, notably large ears, fine quality too. Orders limited to 5 lbs.

LINCOLN - 78 days, 6 days ahead of Golden Cross. Wilt resistant, drought resistant, wide adaptation. Heavy producer of large, attractive, good quality, 12 to 16 rowed ears.

LEE - 78 days, in Lincoln class. Ears slightly larger; quality a little better. Not so hardy or wilt resistant. Better for New England and Eastern New York.

BIG LINCOLN - 80 days, a larger eared, heavier yielding, taller Lincoln.

BIG LEE - 80 days, equal quality, taller stalks, larger ears, more ears, more profit than Lee.

IMPROVED GOLDEN CROSS - 84 days, heavier ears, more kernel rows, taller stalks, ears borne higher, fewer suckers, same wonderful quality as original Golden Cross.

BIG GOLDEN CROSS - 87 days, a larger eared Golden Cross with good qualities retained.

IOANA - 87 days. Appearance, quality, size ears like Golden Cross. Stalks larger, suckerless. Notably resistant to heat and drought. Out-yields Golden Cross under such conditions. Wilt resistant.

BIG IOANA - 88 days. 10% more ears, 10% larger ears than Ioana and equal quality, hardiness and wilt resistance.

MAGNAGOLD - 90 days. Wilt resistant. Big handsome 16 to 20 rowed ears of excellent quality. Sell fast at premium prices. Lots of fodder. Best late yellow hybrid from every angle. See prices, pg. 3.

BROOKHAVEN - 94 days, a new, large eared hybrid using Connecticut and Ohio inbreds. Heaviest yields in several tests, 70% to 100% more weight of ears per acre than Golden Cross, Ioana and many other hybrids. Sold Out.

FAMILY GARDEN SWEET CORN ASSORTMENT

Here is a package of assorted hybrid sweet corn seeds, ripening in succession, that provides an average family with an abundance of delicious fresh sweet corn from early summer till fall, and plenty to can or dry for winter. It includes 2 oz. each Spancross, Washington, Carmelcross, Lincoln, Magnagold and 14 oz. Golden Cross with directions for planting. Lots of enjoyment and real savings on food costs come in this package. Decide now to feast on sweet corn this summer as do hundreds of others.

Empire Lotus

Empire Lotus, the Eastern New York strain of broadleaf birdsfoot trefoil, is the best hay or pasture legume for long term seedings on soils not favorable for alfalfa. It is longer lived, more drought resistant, more tolerant of wet or acid soils, ripens later, retains quality longer, is more palatable in all stages, stands grazing better and, after established, out yields alfalfa except where all conditions are favorable for alfalfa. The first crop is disappointingly light but, once established and properly managed, it produces 2 to 4 ton crops for 20 years and longer. It should be used only for long term stands. It can be used for pasture, or hay and pasture, or silage and pasture, or pasture and seed. Empire Lotus is also valuable on steep slopes, in sod orchards and on roadside and lawn embankments where its bright yellow blossoms lend interest.

Preparation for and times and methods of seeding are as for alfalfa. Use trefoil inoculant. Always combine with a tall grass for support but never with other legumes except wild white clover.

Better grow Empire Lotus, the most reliable birdsfoot trefoil. Detailed directions on request.

Hybrid Field Corns

There is no question now that hybrids are more profitable, either for silage or grain. The problem is to choose from the many offered. It is better to decide on the basis of experiment station tests than advice of an agent paid to sell a certain brand. Reports of such tests are available in most states. They show in nearly every case that in any maturity group, there is an "open formula" hybrid that equals or excels the "secret formula" or "trade name" hybrids. Open formula hybrids are made from inbreds produced and controlled by the U. S. D. A. and state experiment stations. They are more reliably the same each year and usually are available at less cost. In other words, the higher prices usually charged for trade name hybrids seldom buy higher yielding seed but pay for expensive advertising and agent's commissions.

On the basis of experiment station tests and customer experience, we have selected and offer the following "open formula" hybrids with confidence that they will produce as much food value per acre as, if not more than others in the areas designated. Numbers in parentheses are approximate days required for maturing under conditions here. They of course vary from season to season and place to place, but show relative maturities.

For grain it is best to use corns that ripen well within the season limits. Our selections are intended to be on the safe side. For silage, taller corns with high grain yield records that ripen 5 to 15 days later, usually make maximum yields of best quality silage. We have listed such for each situation described below. If writing us for advice, please give your location in miles and direction from nearest town and date you will plant.

VERY SHORT SEASON—Where only the very earliest corns mature; generally at elevations over 1200 and at lower elevations in Northern New York and New England.

Grain: Wis. 255 (90).

Silage: Wis. 275A (95); Wis. 335 (100).

SHORT SEASON—Where 95 to 105 day corns usually mature; generally at elevations of 900' to 1200'.

Grain: Wis. 275A (95); Wis. 335 (100).

Silage: Wis. 416 (110); Ohio M15 (115); Cornell 29-3 (115).

MEDIUM SEASON—Where 105 to 115 day corns usually mature; generally at elevations of 500' to 900'.

Grain: Wis. 416 (110); Ohio M15 (115); Cornell 29-3 (115).

Silage: Ohio K24 (120).

LONG SEASON—Where 115 to 125 day corns usually mature; generally at elevations under 500'.

Grain: Ohio K24 (120).

Silage: Wis. 641A (130); Wis. 692 (135).

VERY LONG SEASON—Best locations in area described above.

Grain: Wis. 641A (130); Wis. 692 (135).

Silage: U. S. 13 (140).

GRADES

Germinations range from 90% to 98%. Seed is graded,—Large Flat, Medium Flat, Large Round, Medium Round. This permits more accurate planting with less waste of seed and better yields. The different grades produce equally well, if the seed is properly spaced.

Hay, Silage and Pasture Seedings

The following suggested mixtures include the newer forage crops and consider today's relative prices of the ingredients. Amounts are in pounds per acre and cost per acre follows.

HAY OR SILAGE

For good alfalfa soils -

8 Alfalfa, 8 Brome. \$9.68.

5 Alfalfa, 2 Alsike, 5 Timothy. \$5.11.

For soils not suited for alfalfa -

4 Med. Red, 2 Alsike, 5 Timothy. \$4.06.

5 Alsike, 5 Timothy. \$3.00.

HAY AND PASTURE OR SILAGE AND PASTURE

For good alfalfa soil -

1 Ladino, 6 Alfalfa, 2 Med. Red, 6 Timothy. \$8.32.

1 Ladino, 6 Alfalfa, 5 Brome, 3 Timothy. \$9.16.

1 Ladino, 3 Alfalfa, 2 Alsike, 5 Timothy. \$5.81.

For soils not suited to alfalfa -

1 Ladino, 2 Med. Red, 2 Alsike, 5 Timothy. \$4.66.

1 Ladino, 4 Alsike, 5 Timothy. \$4.62.

2 Ladino, 5 Timothy. \$5.10.

5 Birdsfoot Trefoil, 6 Timothy. \$8.32.

PERMANENT PASTURE OR SILAGE AND PASTURE

1 Ladino, 8 Orchard. \$4.88. 1 Ladino, 8 Brome. \$6.48.

PERMANENT PASTURES

1 Ladino, 1 Wild White, 5 Ky. Blue, 5 Timothy. \$7.55.

3 Birdsfoot Trefoil, 1 Wild White, 4 Ky. Blue, 5 Timothy. \$9.12.

10 Ky. Blue, 1 Ladino (for poultry especially). \$8.30.

SPECIAL SUGGESTIONS. On wet soils substitute 1 Red Top for 2 Timothy. Where water sometimes stands 3 days or longer sow 6 Reed Canary preferably in fall. Use Brome grass only on well drained, fertile soils. Use Birdsfoot Trefoil only for long term seedings, 6 years and longer.

TERMS

Terms are cash with order, or 25% payment with order and balance before shipment or C. O. D. on arrival with collection fees added.

All prices include containers and are f. o. b. here except as noted.

GUARANTEE

If you are not satisfied with what you receive from us and notify us promptly, we will replace if possible or refund, as you prefer. Loss or damage in transit will be adjusted if you have agent note same on his bill. So many conditions beyond our control affect results, we cannot do not assume any responsibility for the results secured from our seeds or other supplies. Orders are booked with the understanding that changes in transportation rates are for customer's account and that delivery is contingent on any circumstances beyond our control.

Please order early. Thanks. Yours for better bred seeds. K. C. LIVERMORE

PRICE CHANGES

Prices are subject to change without notice. If lower when your order is received, difference will be refunded; if higher you will be notified and may pay difference or change or cancel order.

SWEET CORN HIGH YIELDING HYBRIDS

IMPROVED SPANCROSS, WASHINGTON, MARCROSS, IMPROVED CARMELCROSS, GRANT, LINCOLN, LEE, BIG LINCOLN, BIG LEE, IMPROVED GOLDEN CROSS, BIG GOLDEN CROSS, IOANA, BIG IOANA. Postpaid: $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 35c; 1 lb. 50c; 2 to 19 lbs. 43c per lb. to 5th zone; 5c higher beyond and to Canada.

Not prepaid: 20 to 99 lbs. 37c; 100 lb. or more 35c per lb. Ask for special prices on 1000 lbs. MAGNAGOLD prices are 5c higher for each amount.

GRADES—Above prices are for large flat and medium flat kernels. Deduct 5c per lb. for large round and medium round kernels. All grades are equally productive. Grading facilitates more uniform planting.

QUANTITY PRICES—When ordering more than one hybrid, the price applying to the total quantity may be used for each kind of which 1 lb. or more is ordered. Less than 1 lb. of any kind should be figured at the price applying to its own weight.

FAMILY GARDEN ASSORTMENT, 6 hybrids, $1\frac{1}{2}$ lbs.; plenty all summer for hearty family,—Postpaid 1000 miles (5th zone) in the U. S., \$1.40; beyond and in Canada, \$1.50

OATS Per bu. Sacked 3 bu. per bag 32 lbs.

30 BU. 10c LESS, 100 BU. 20c LESS

ADVANCE, certified \$2.15
ADVANCE, from certified \$1.95
MOHAWK certified \$1.95
MOHAWK, from certified \$1.75
GOLDWIN, from certified \$2.00

BARLEY Per bu. Sacked 2 bu. per bag 48 lbs.

20 BU. 10c LESS, 70 BU. 20c LESS

ALPHA, 2 rowed, from certified \$2.60
BAY, new, 6 rowed, from certified \$2.60

FIELD PEAS Sacked Per bu. 2 bu. per bag 60 lbs.

10 BU. 10c LESS, 20 BU. 20c LESS

WHITE CANADA, \$5.90
See inoculants back page

SPRING WHEAT Per bu. 60 lbs.

10 BU. OR MORE 10c LESS

HENRY, new, soft, rust resistant, cert. \$4.75
HENRY, from certified \$3.75

SOY BEANS Per bu. 60 lbs.

10 BU. OR MORE 10c LESS

CAYUGA, earliest, black \$4.50
EARLYANA, new, best for N. Y. \$4.50
LINCOLN, for silage, plowing under \$4.90

See inoculants back page

BUCKWHEAT Per bu. 48 lbs.

10 BU. OR MORE 10c LESS

JAPANESE \$2.60
SILVER HULL \$2.60
COMMON (mixed) \$2.50

FIELD CORN 10 BU. OR MORE
25c LESS Per bu.
56 lbs.

For less 1 bu. add 25c to amount.

VARIETY	Grades Available	Prices
EARLY	Flats Rounds	
Wis. 255	L.F., L.R.,	\$7.50 \$5.50
Sheffield	L.F., L.R.,	\$5.00 \$4.50
Wis. 275A	L.F., L.R.,	\$7.50 \$5.50
Wis. 335	L.F., M.F., L.R.,	\$7.50 \$5.50

MEDIUM EARLY

Wis. 355 or		
Cornell 35-5	L.F., M.F., L.R.,	\$7.50 \$5.50

MEDIUM

Cornell 11	L.F., M.F., L.R.,	\$3.80 \$3.30
Wis. 416	L.F., M.F., L.R., M.R.	\$7.50 \$5.50
Cornell 29-3	L.F., L.R.,	\$7.00 \$5.00
Ohio M15	L.F., L.R.,	\$7.50 \$5.00

MEDIUM LATE

Ohio K24	L.F., L.R.,	\$7.50 \$5.50
Sweepst'k's	L.F.,	\$4.30

LATE

Wis. 641A	L.F., M.F., L.R.,	\$7.00 \$5.00
Wis. 692	M.F., M.R.	\$7.00 \$5.00
U. S. 13	L.F., L.R.,	\$7.50 \$5.50

POTATOES F. O. B. here. Per 100 lb.
Except as stated

All seed potatoes listed are graded U. S. No. 1, $1\frac{1}{8}$ " to 12 oz. except as noted. Size B, $1\frac{1}{2}$ " to 1 $\frac{1}{4}$ ", for planting whole, is available in limited quantities. It is priced 40c higher except that Size B, P.E.I. Cobblers are priced the same as firsts.

U. S. Commercial ("Com.") includes minor defects like greening, air cracks, slight cuts or insect work but not to exceed 15%. Approved ("App.") seed is certified seed with low enough disease content to be officially recommended for use in growing certified seed. Foundation ("Fd") seed is the most disease free obtainable; usually outyields certified by 30 to 60 bu.

Ask for special prices on 100 bags or more and on straight or mixed carloads shipped direct. Truck deliveries are possible where volume justifies.

To save labor, we will break bags only in Warba, Cobbler, Essex and Sebago, the best varieties for the garden.

Variety	10 - 99 bags	Less 10 bags
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RED WARBA, Foundation	\$5.00	\$5.20
15 lbs. \$1.00; 30 lbs. \$1.75; 60 lbs. \$3.25		

EARLY OHIO*, Foundation	\$5.50	\$5.70
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BLISS TRIUMPH*, Foundation	\$5.50	\$5.70
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COBBLER*, Minn. Fd.	\$4.75	\$4.95
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15 lbs. \$1.00; 30 lbs. \$1.75; 60 lbs. \$3.25		
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COBBLER, P.E.I., Fd. A.	\$4.40	\$4.60
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COBBLER, N. Y., Not cert.	\$3.50	\$3.70
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CHIPPEWA*, Foundation	\$5.75	\$5.95
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CHIPPEWA, Not cert.	\$4.00	\$4.20
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KATAHDIN*, Foundation	\$4.75	\$4.95
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KATAHDIN, Not cert.	\$3.50	\$3.70
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ESSEX, Cert. U. S. 1	\$7.75	\$7.95
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15 lbs. \$1.50; 30 lbs. \$2.70; 60 lbs. \$5.00		
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ESSEX, Cert. U. S. Com.	\$6.00	\$6.20
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ONTARIO, Cert.	Sold Out	
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ONTARIO, Not Cert.	Sold Out	
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PONTIAC*, Foundation	\$5.75	\$5.95
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PONTIAC*, Certified	\$5.00	\$5.20
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SEBAGO*, Certified	\$4.75	\$4.95
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15 lbs. \$1.00; 30 lbs. \$1.75; 60 lbs. \$3.25		
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SEBAGO, Not Cert.	\$3.50	\$3.70
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* Jeff Baldwin's higher yielding strains

CABBAGE Best Strains Available Hot Water and Semesan Treated

POSTPAID	Per lb.
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Pkt.	oz. $\frac{1}{4}$ to 1 lb. 5 lb.
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Golden Acre	\$25	\$50	\$5.00	\$4.50
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Copenhagen Market	.25	.50	\$5.00	\$4.50
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Reed's Glory	.30	.60	\$6.50	\$6.00
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Quaker Hill Danish	.40	.80	\$8.00	\$7.50
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Reed's Red Danish	.40	.80	\$8.00	\$7.50
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ALFALFA Highest Quality 300 lbs. or more $\frac{1}{2}$ c less

60 lbs. per bu.	Per bu.	Per lb.
GRIMM, Can. or Northern U. S.	\$39.00	\$.65
COMMON, Northern U. S.	\$38.40	\$.64
RANGER, certified	\$55.20	\$.92

See inoculants back page

CLOVER Highest quality Approved sources 300 lbs. or more $\frac{1}{2}$ c less

60 lbs. per bu.	Per bu.	Per lb.
MEDIUM RED, domestic	\$33.00	\$.55
MAMMOTH RED, domestic	\$30.60	\$.51
MIDLAND, certified	\$39.60	\$.66
ALSIKE, domestic	\$22.80	\$.38
W. B. SWEET CLOVER	\$15.00	\$.25
For less than 5 lb. of Postpaid† Not paid the following, add 10c lb. 5 to 19 lb. 20 lb. up		
WILD WHITE	\$1.40	\$ 1.30
LADINO,	\$2.10	\$ 2.00
LADINO, certified	\$2.40	\$ 2.30
EMPIRE LOTUS (Birdsfoot Trefoil).		

Requires inoculant T
N.Y. Certified, purple tag \$1.60
N.Y. Not certified, blue tag \$1.50

See inoculants back page

TIMOTHY Highest Quality

200 LB. OR MORE $\frac{1}{2}$ c PER LB. LESS		
45 lbs. per bu.	Per bu.	Per lb.
COMMON, 99.50 to 99.80% purity	\$9.90	\$.22
Per full 3 bushel bag, \$29.10		
MIXED, 20% or more Alsike	\$11.25	\$.25
Per full 3 bushel bag, \$33.10		

MISCELLANEOUS Best Grade Per lb.

100 LBS. OR MORE $\frac{1}{2}$ c per lb. LESS		
Less than 10 lbs. any item, add 10c		
KENTUCKY BLUE GRASS		\$.63
CANADA BLUE GRASS		.59
ALTA FESCUE GRASS		.51
CREEPING RED FESCUE GRASS		.60
CHEWING'S FESCUE GRASS		.56
ASTORIA BENT GRASS, Certified		1.05
COLONIAL BENT		.95
ORCHARD GRASS		.36
RED TOP GRASS		.64
REED CANARY GRASS		.53
DOMESTIC RYE GRASS		.15
PERENNIAL RYE GRASS, Certified		.24
BROME GRASS, Achenbach or Lincoln		.56
SUDAN GRASS		.13
JAPANESE MILLET		.06
HUNGARIAN MILLET		.10
GOLDEN MILLET		.10
PROSO MILLET, for grain		.10
DWARF ESSEX RAPE		.18
SORGHUM		.14
HAIRY VETCH		.26
SPRING VETCH		.18

Cornell Pasture Mixt.

PERMANENT PASTURE, 12 lbs. per A	\$.65
GENERAL PURPOSE, 16 lbs. per A	.57
LADINO-ORCHARD GRASS, 9 lbs. per A	.56
POULTRY PASTURE, 14 lbs. per A	.84

Lawn Mixtures Recommended formulas Per lb.

100 LB. OR MORE 1c lb. LESS		
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Post paid†	Not paid	
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QUAKER HILL STANDARD

With Clover under 20 lbs. \$74; 20-99 \$69

Without Clover, under 20 lbs. \$69; 20-99 \$65

QUAKER HILL SHADE

Without Clover, under 20 lbs. \$67; 20-99 \$62

*Post paid to 5th zone. 5c higher beyond to Canada

ORDER FORM K. C. LIVERMORE, Honeoye Falls, N. Y., Dear Friend:—I wish to order the following:....., 1949

@	\$		@	\$
@	\$		@	\$
@	\$		@	\$
@	\$		@	\$
@	\$		@	\$
@	\$		@	\$
@	\$		@	\$

If transportation charges to be paid by you, have to be prepaid, please allow for them here. Excess will be returned.

\$

TERMS: Cash with order, or 25% with order and balance before shipment or on arrival with collection fees added. If balance is to be paid at a bank on delivery, give name and address of bank.

Bank _____ P.O. _____ State _____

Total - - - \$
Check or M. O. - \$
Balance - - - \$

Ship to (Person) _____ P. O. _____ State _____ Rt. or St. _____

Freight or express station _____ State _____ Railroad _____

Shipping instructions Name and address of person ordering, if different from above

Farm Chemicals For Seeds and Soil

ALL POSTPAID EXCEPT AS STATED

SEMESAN

For vegetable and flower seeds and bulbs; 2 oz. 45c; 12 oz. \$2.10; 4 lb. \$10.10.

SEMESAN BEL

For potatoes; 1 lb. per 50 to 80 bu.; 2 oz. 35c; 1 lb. \$1.80; 4 lb. \$6.30; 40 lb. \$59.00.

COROSIVE SUBLIMATE

For potatoes, cabbage, etc. 1/4 lb. 90c; 1 to 4 lb. \$2.40 per lb.; 5 lb. up \$2.10 per lb.; express collect. Special prices on larger amounts.

YELLOW OXIDE OF MERCURY

For potatoes, 1 lb. treats 100 or more bu.; 1/2 lb. \$2.00; 1 to 4 lb. \$3.00 per lb. 5 lb. up \$2.70 per lb.

CALOMEL

For cabbage, turnip, radish, 1/2 lb. \$1.50; 3/4 lb. \$2.25; 1 to 4 lb. \$2.60 per lb.; 5 lbs. up \$2.40 lb.

YELLOW OXIDE OF COPPER

For peas, spinach, beets, 1 teaspoon per lb., or 2 1/2 lb. per cwt.; 1/4 lb. \$5.50; 1/2 lb. \$6.50; 1 to 4 lb. \$8.00 per lb.; 5 lb. or more \$7.00 per lb. Special prices on larger quantities.

ZINC OXIDE

For seed beds, 1/2 to 1 oz. per sq. ft.; 1 to 9 lb. 25c per lb.; 10 to 49 lb. 20c per lb., postage paid. Freight collect 50 lb. bags, \$6.00; 100 lb. bags \$10.

GUM ARABIC POWDER

To make calomel stick to cabbage seed; 1 oz. per lb. seed; 1 oz. 15c; 2 oz. 20c; 1/4 lb. 30c; 1/2 lb. 50c; 1 lb. 85c.

SPERGON

A dust for treating seeds and soils to control fungus and bacterial diseases. 2 to 3 oz. per bu. of seed; 1 oz. \$2.25; 5 oz. \$1.00; 1 to 4 lbs. \$2.25 per lb., 5 lb. or more \$2.00 per lb.; 50 lbs. \$75.00 postpaid; 100 lbs. or more, not prepaid, \$140.00.

TOBACCO POWDER

To repel flea beetles, squash bugs, etc., for fumigating; 1 lb. 4 lb. 15c per lb.; 5 to 29 lb. 10c per lb., postage paid; 30 to 99 lb. 6c per lb.; 100 lb. \$5.00 freight collect.

SULPHUR

For scabby potatoes. The easiest way to control scab on potatoes is to scatter 1 to 2 lb. of sulphur over each bushel of seed as it is dumped in the planter hopper. The action of the machine coats the seed fairly well and the surplus runs into the row. Wherever scab conditions are unusually bad, the soil should be treated as well as the seed. The same treatment also controls scab gnat and milliped injury. Apply sulphur only where needed; apply 200 to 800 lb. per acre depending on the severity of the scab or as indicated by soil tests; apply after plowing and mix thoroly at least 4" deep. Use our Free Flow Sulphur. It drills better and is economical. One application lasts years. Prices f.o.b. here 4 1/2 c. lb.; \$3.50 per cwt.; \$60.00 per ton. Special prices on ton lots or more delivered from factory.

RESPIRATOR

Comfo Dust and Mist Respirator, eliminates discomfort of using chemicals. Postpaid, 1 to 4, \$3.50, 5 or more, \$3.30 each.

NITRAGIN LEGUME INOCULANTS

CULTURE A for alfalfa, sweet clover, yellow trefoil and CULTURE B for medium, mammoth, alsike, crimson, Ladino, wild white and white Dutch clovers, 1 bu. size \$50; 2 1/2 bu. size \$1.00.

CULTURE C for vetches, field peas, garden peas, 100 lb. size \$.50; 1200 lb. size \$5.50.

CULTURE D for field, garden beans, 1 bu. size 35c; 12 bu. size \$3.70.

CULTURE S for soy beans, 2 bu. size 30c; 5 bu. size 55c; 30 bu. size \$2.95.

CULTURE T for birdsfoot trefoil, 7 1/2 lb. size \$.15; 1 bu. size \$.60.

STANLEY'S CROW REPELLENT

1/2 pt. (treats 1 bu. corn) 60c; pt. (treats 2 bu. corn) \$1.00; qt. (treats 4 bu. corn) \$1.75.

SCARE CROW

1/2 pt. (treats 1 bu. corn) 40c; pt. 60c; qt. \$1.00.

ARASAN

For vegetable seed; 1/3 tsp. per lb. large seeds to 2/3 tsp. for small seed or 2 to 4 oz. per 100 lbs.; 3/4 oz. \$2.25; 8 oz. \$8.00; 4 lb. \$5.16; 25 lb. \$30.00.

CERESAN M

For oats, barley, wheat (1 lb. treats 32 bu.) 14 oz. \$90; 3 lb. \$2.65; 40 lb. \$28.75.

SEMESAN JR.

For corn, 1 1/2 oz. per bu.; 1 1/2 oz. 17c; 3/4 lb. 62c; 25 lb. \$13.85.